

66211-926460

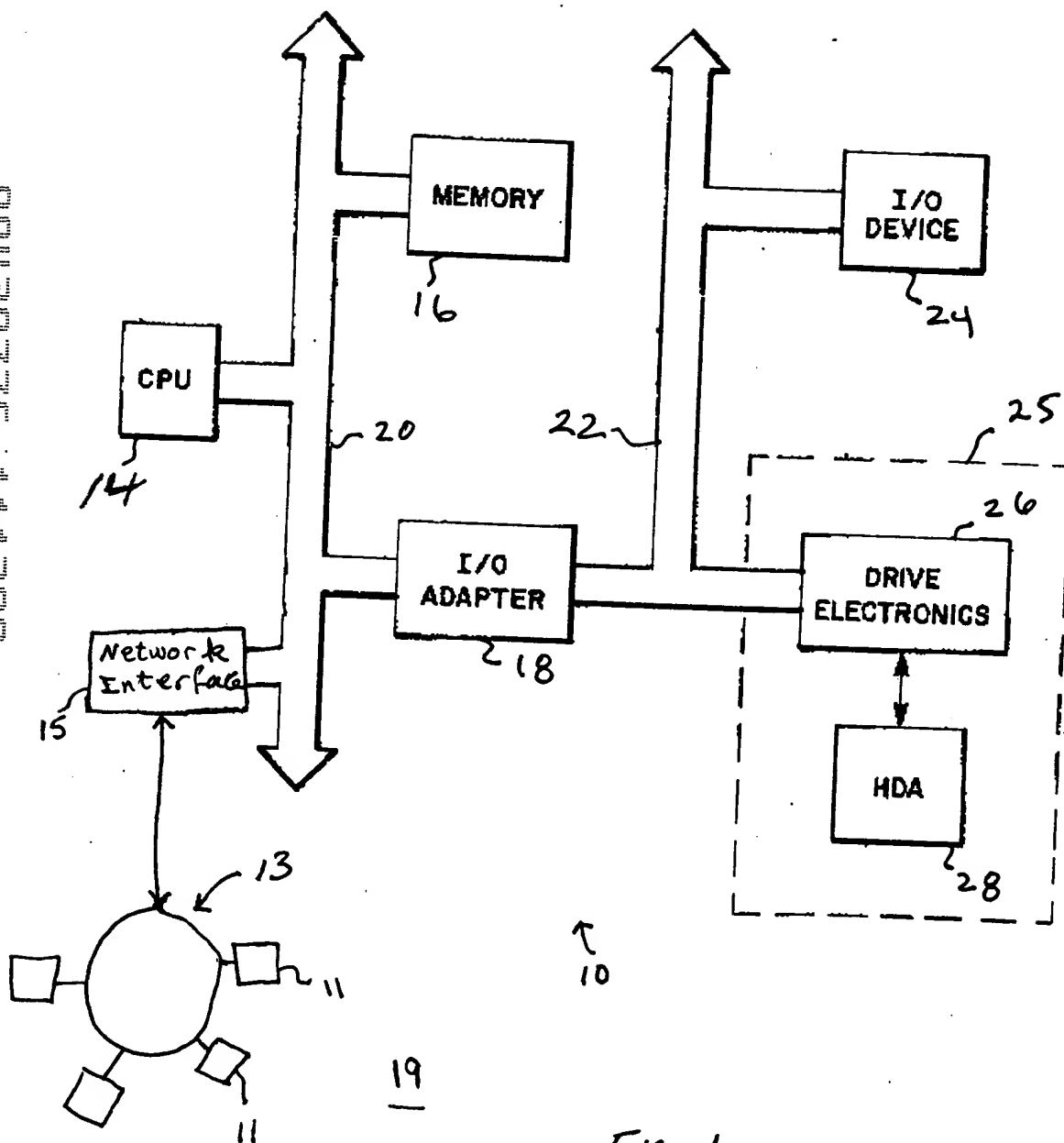


FIG. 1

FIG. 2


```

graph TD
    50[50] --> 52[52]
    52 --> 54[54]
    54 --> 56[56]
    56 --> 58[58]

```

maintain checksum List

Calculate data segment checksum using checksum circuit

Provide entry in checksum List for calculated checksum

Store Checksum in The entry in The checksum List

Store data-segment in buffer memory

```

graph TD
    A[Include one or more complete data segments in packet] --> B[Retrieve checksum value of the packet data - segments from Checksum list]
    B --> C[Calculate checksum for packet as a function of the retrieved checksums]
    
```

FIG. 6

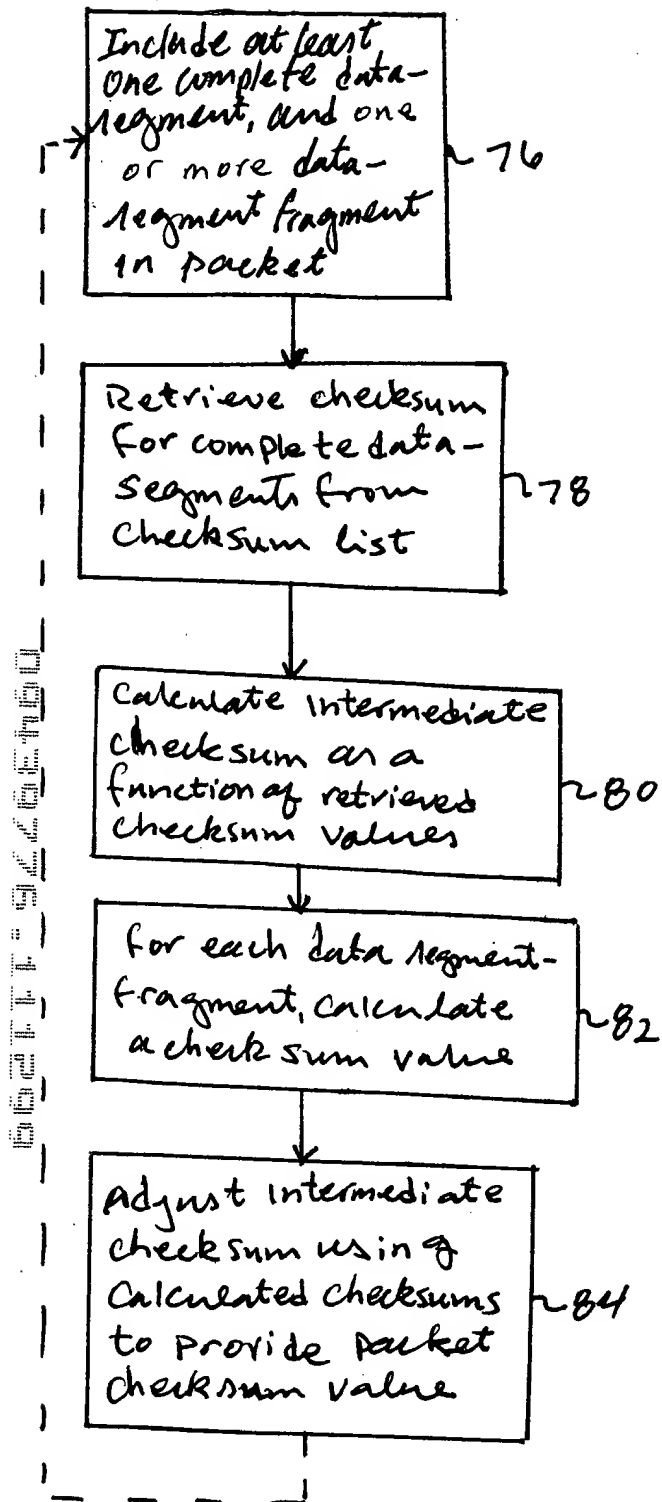


FIG. 7A

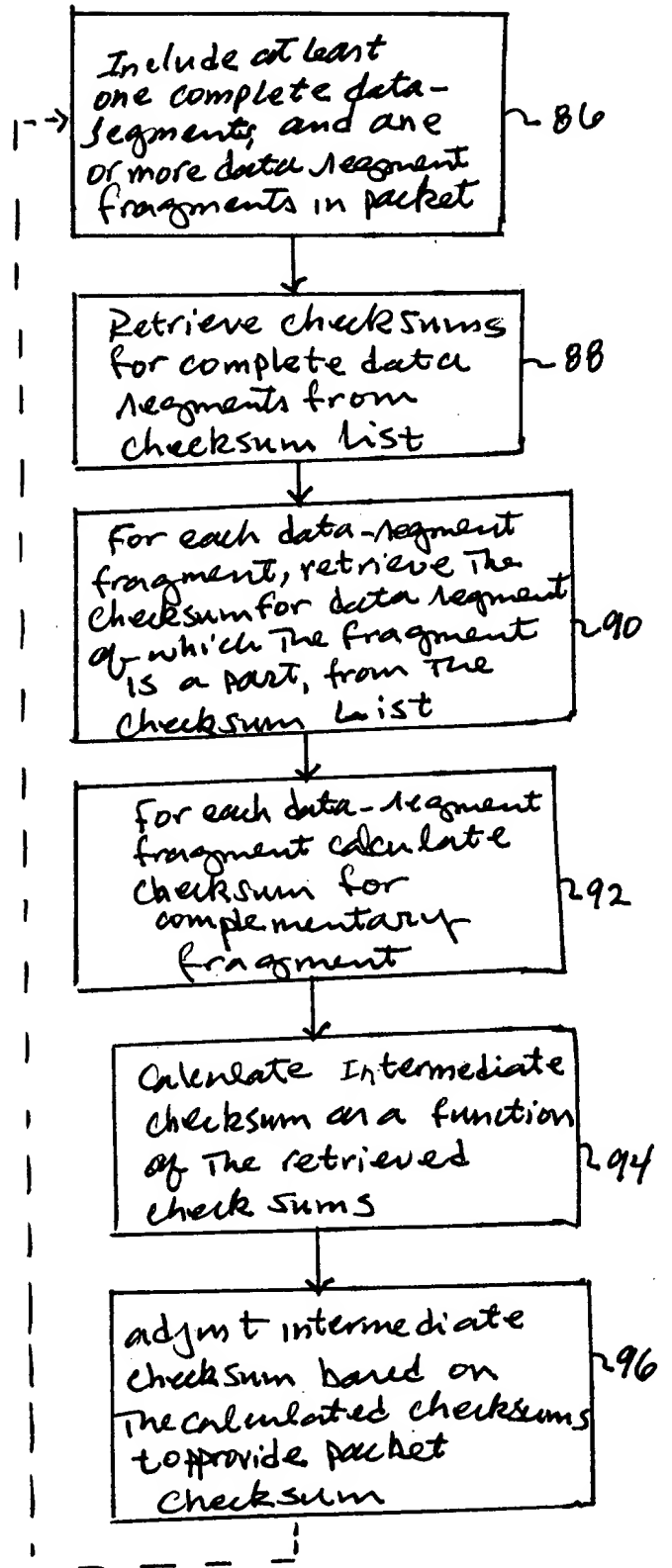


FIG. 7B

Include at least one complete data-segment and one or more data-segment fragments in packet ~ 98

Retrieve the checksum value for each complete data segment from Checksum list ~ 100

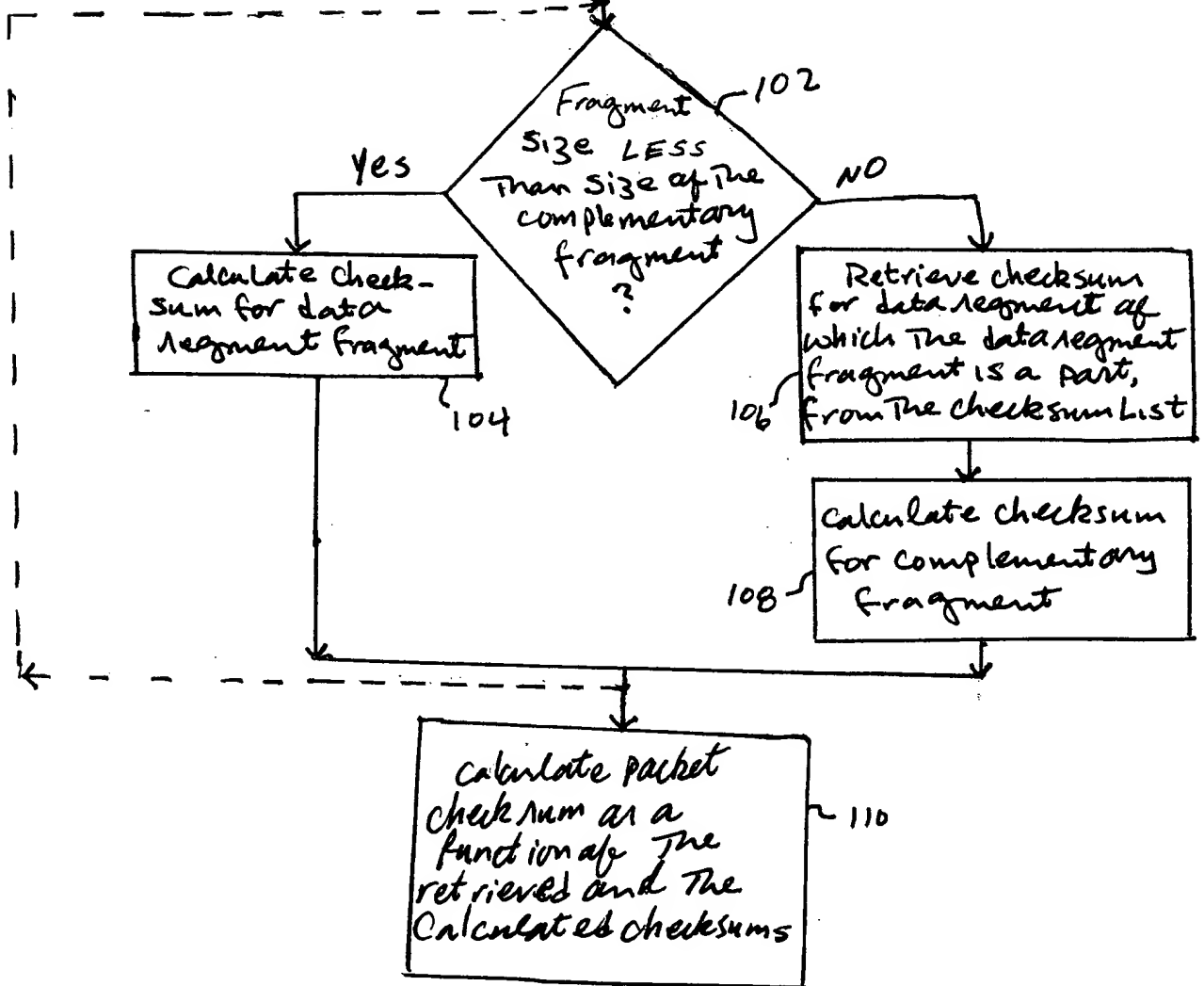


FIG. 7c

Include only one or more data-segment fragments in packet 112

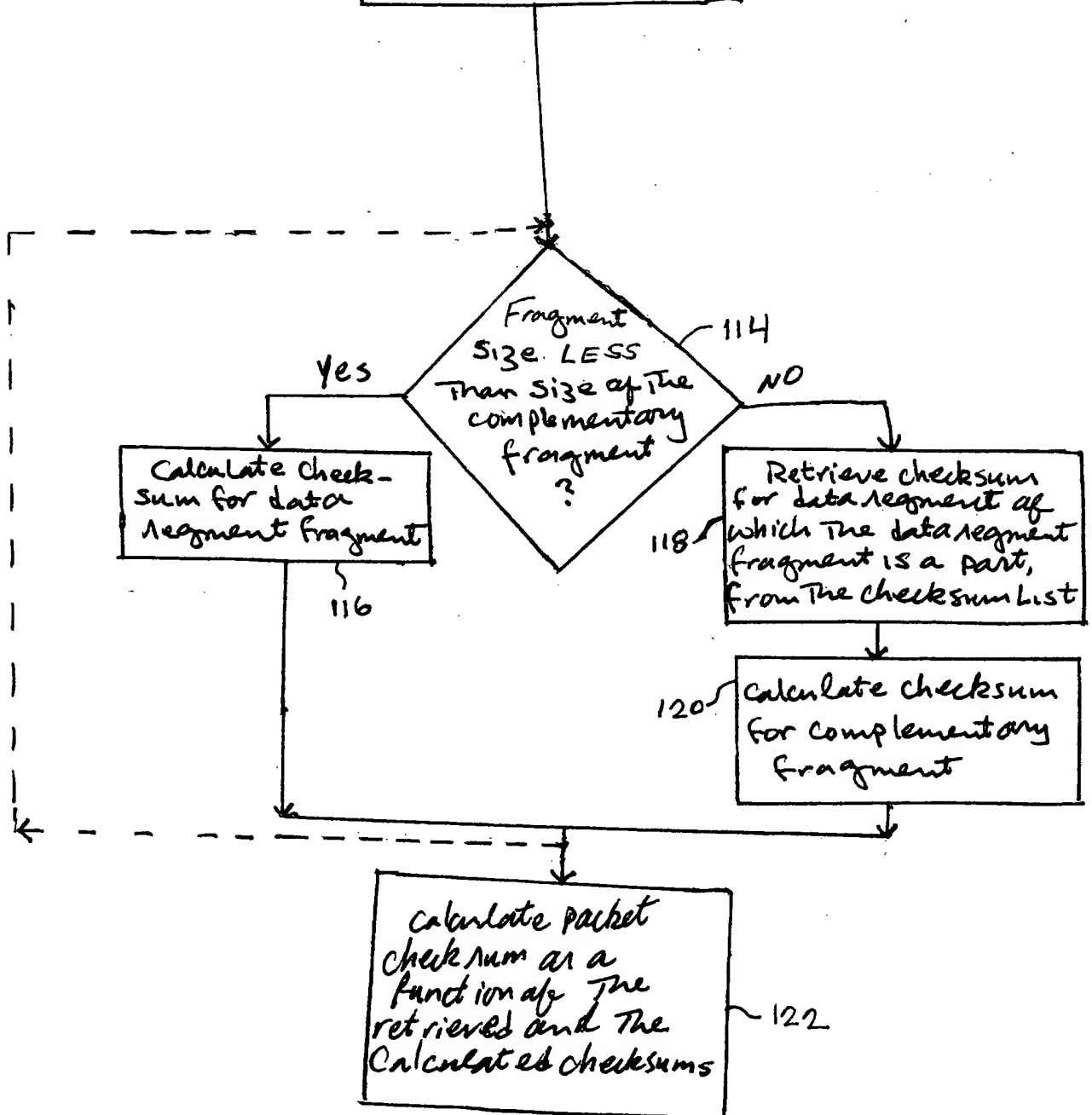


FIG. 8

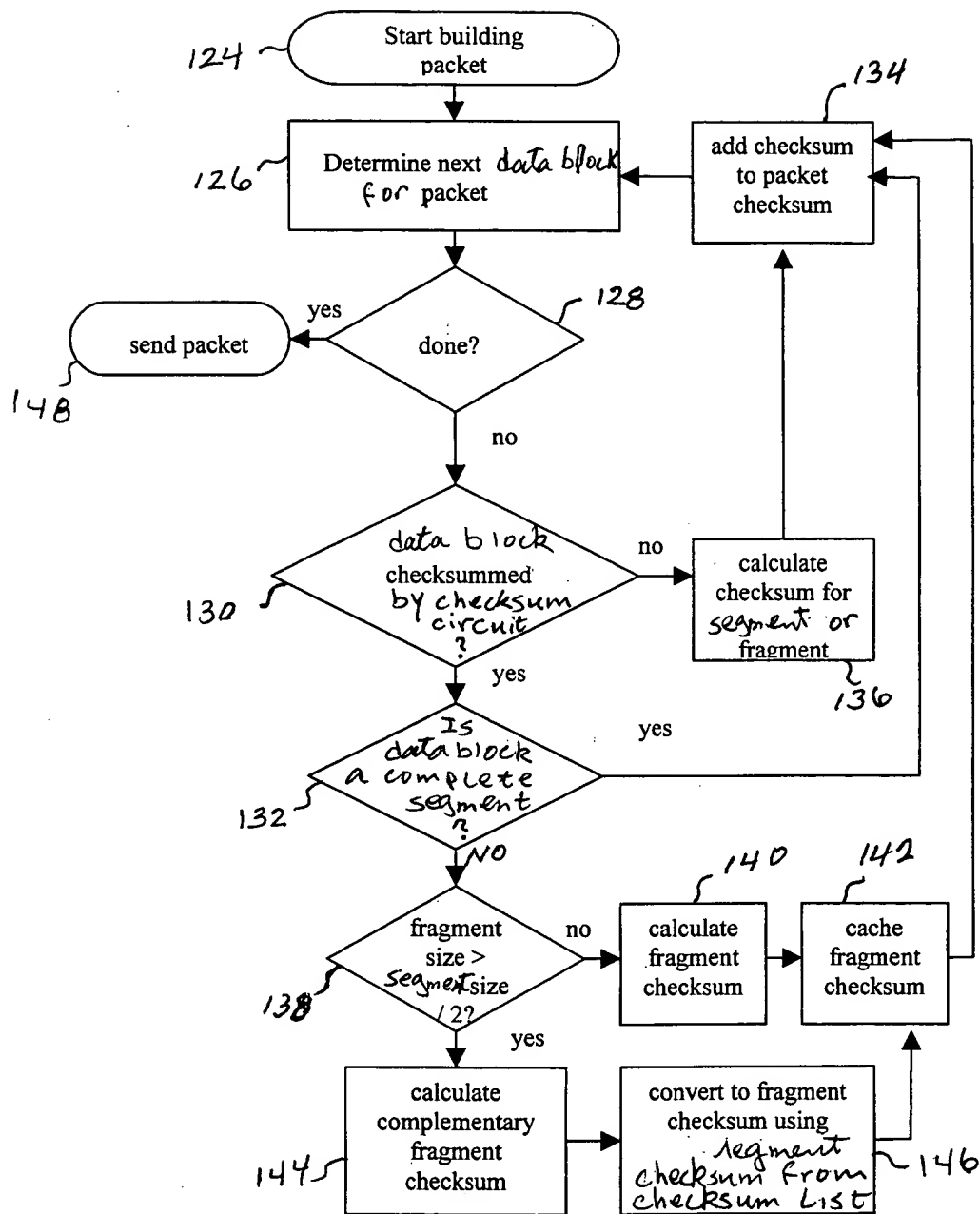


FIG. 9

00000000000000000000000000000000

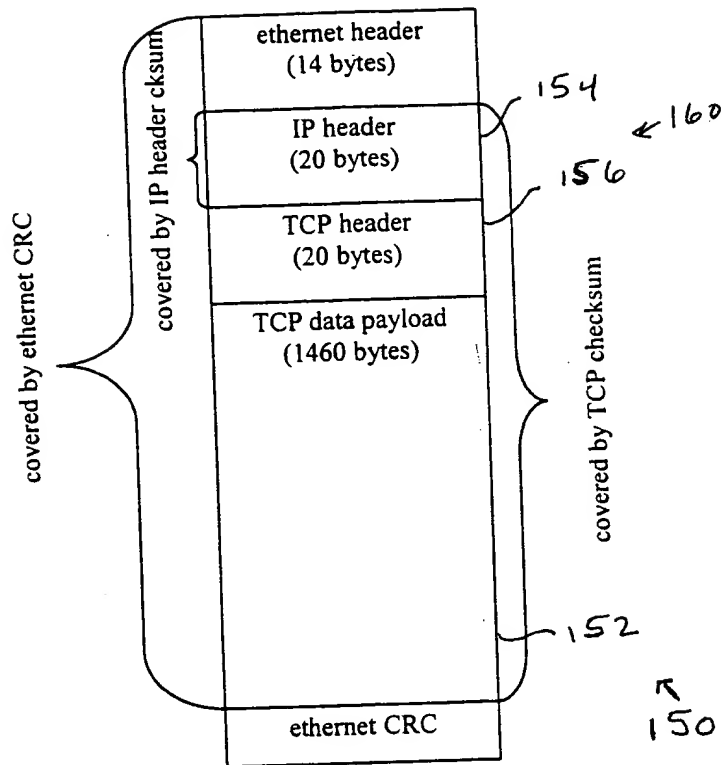


Fig. 10A

0	3	7	15	18	23	31
Version Number	Length	Service Type	Packet Length			
Identification				D	M	Offset
				F	F	
Time to Live		Transport		Header Checksum		
Source Address						
Destination Address						
Options (optional)						Padding

← 154

Fig. 10B

0	3	7	15	18	23	31
Source Address						
Destination Address						
Zero		Transport Protocol		Packet Length		

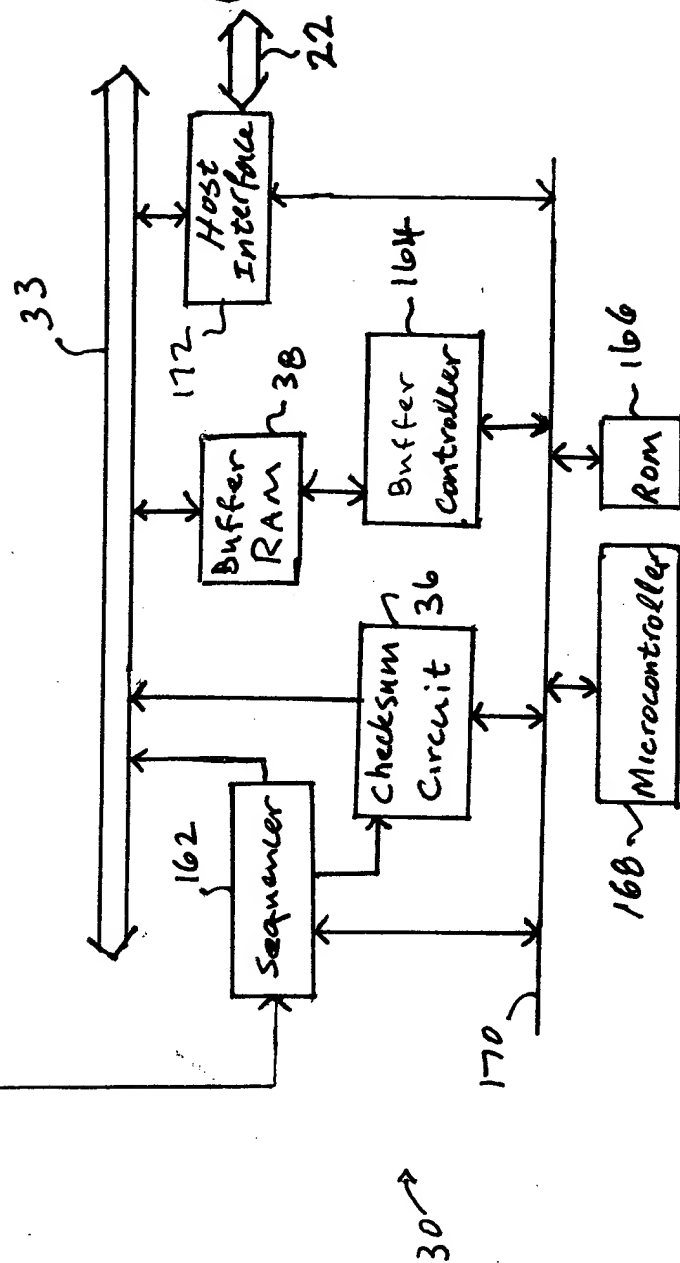
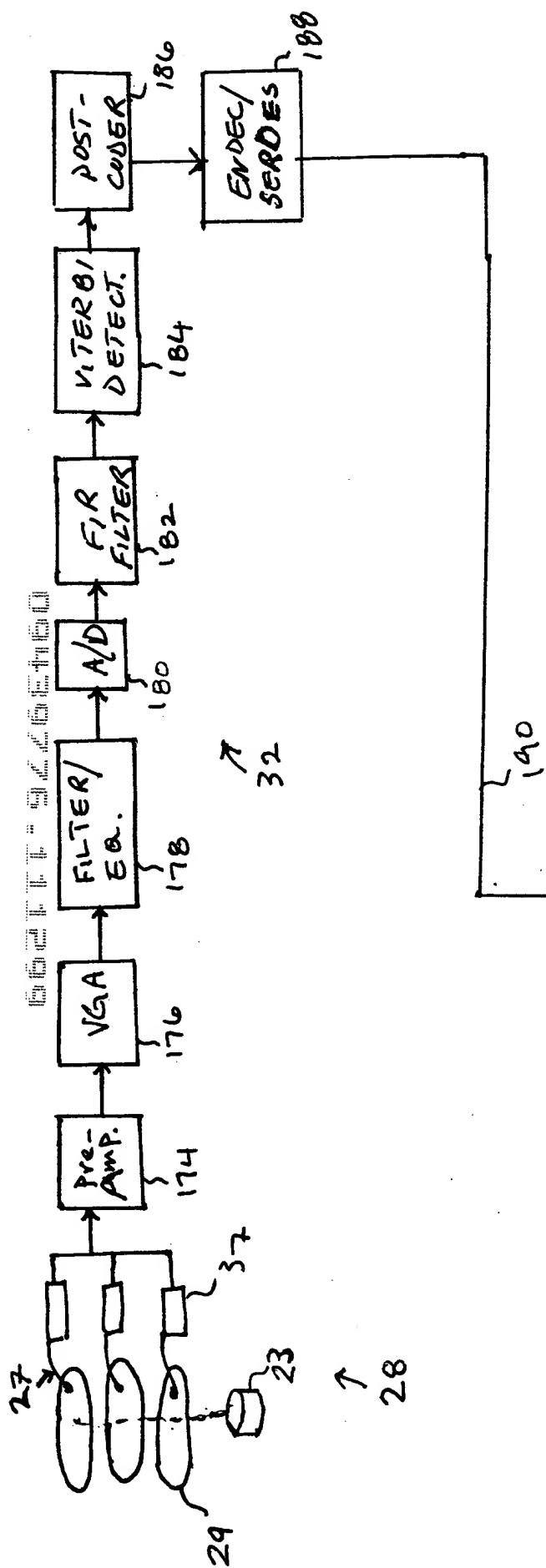
↑ 158

Fig. 10C

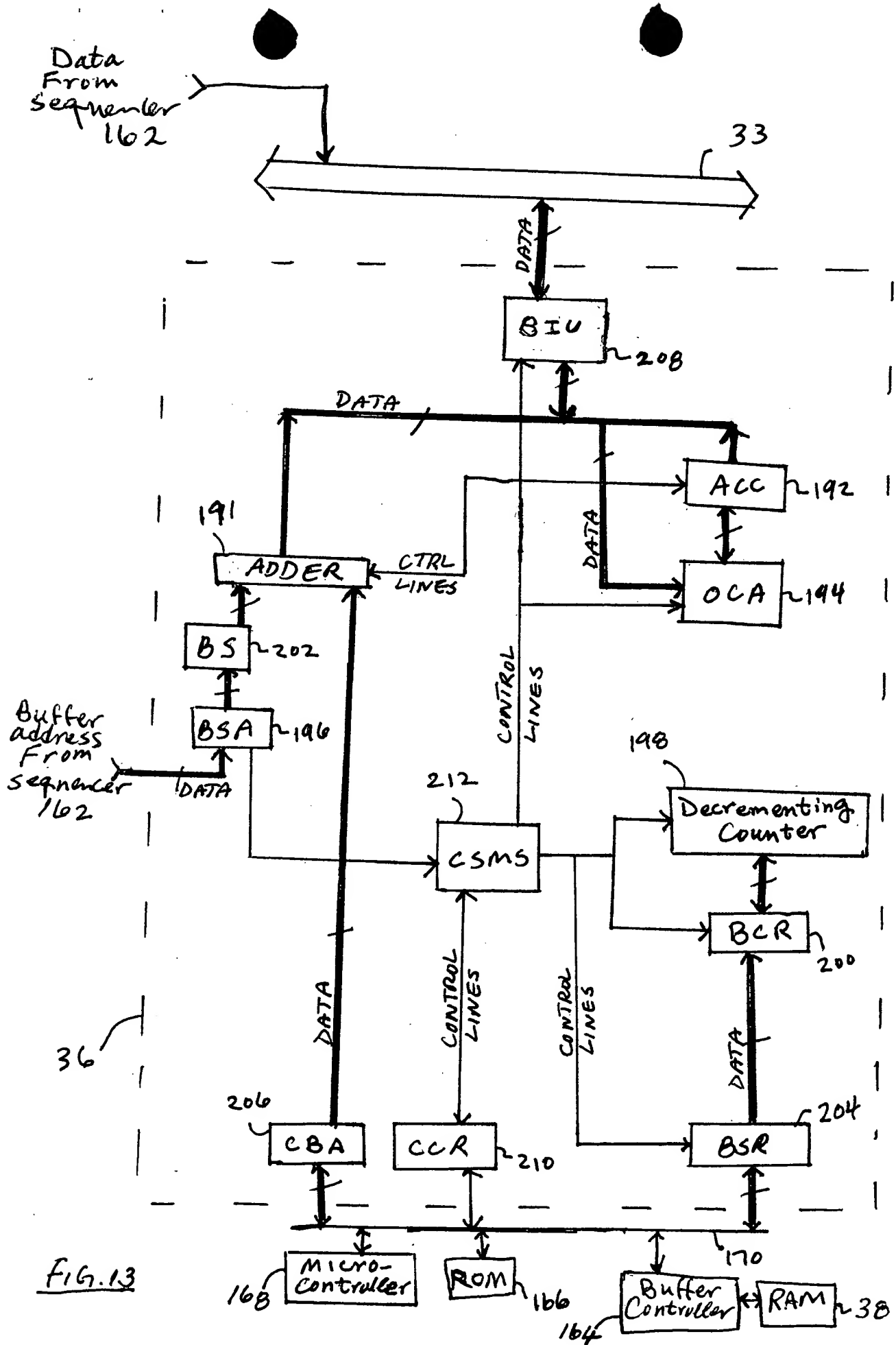
packet number	relative segment numbers	cumulative bytes	modulo 512	fragment software checksummed	software checksum size
0	0-2	1460	436	outer	76
1	2-5	2920	360	outer	152
2	5-8	4380	284	outer	228
3	8-11	5840	208	inner	208
4	11-14	7300	132	inner	132
5	14-17	8760	56	inner	56

FIG. 11

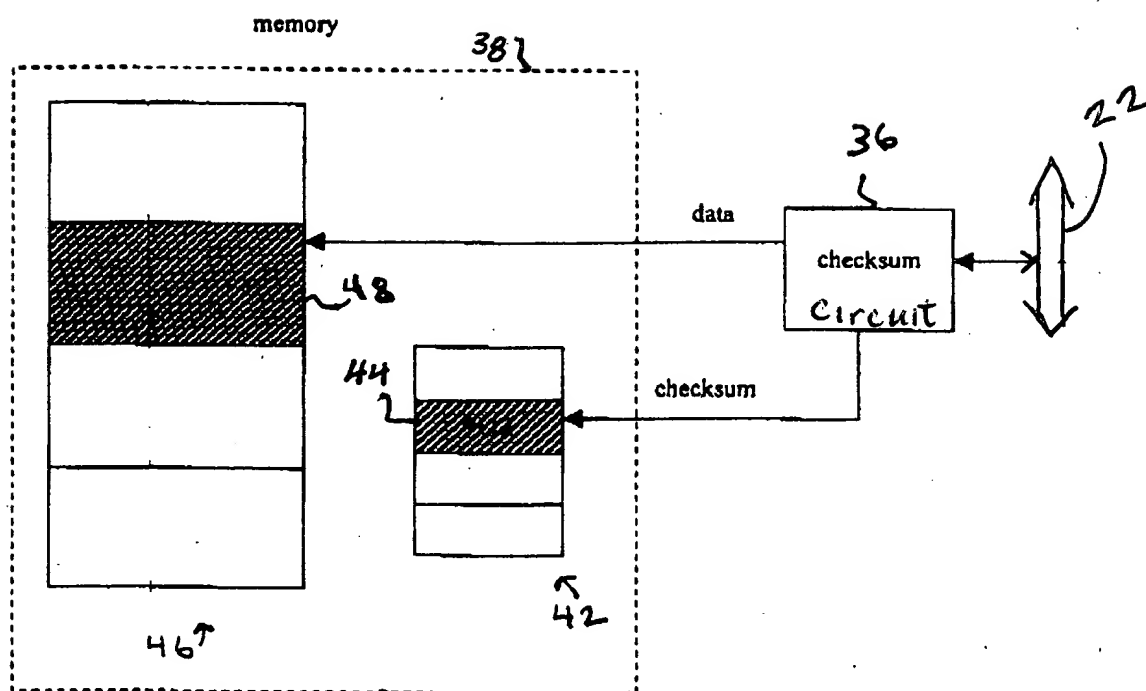
SECRET - 920600

FIG. 12

66211-9262450



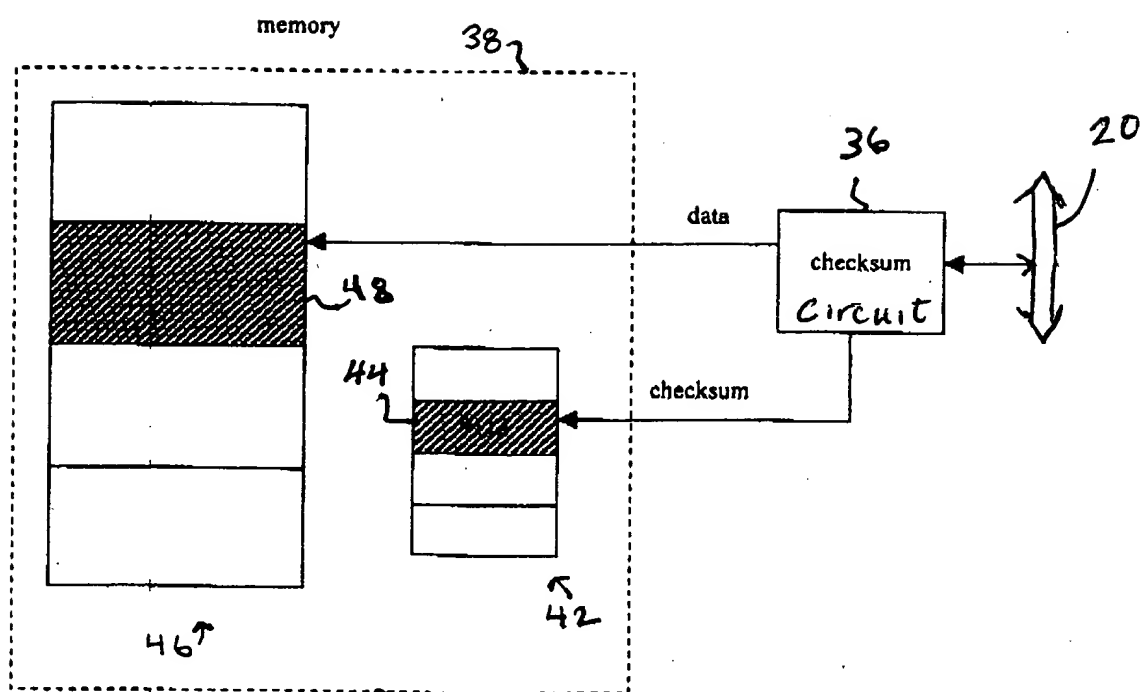
66211-9226450



↑
18

FIG. 14

66211-9226E460



↑
15

FIG. 15